IN THE CLAIMS

1 (currently amended): A method ~~Method~~ for the manufacture of a piezoelectrical multilayer ~~actors, wherein~~ actor comprising applying thin coats of a piezoceramic material as green leaves, ~~called green leaves, are applied~~ to ~~the~~ at least one internal ~~electrode,~~ electrode such that the green leaves are ~~thus~~ stacked one on the other in a block~~, that~~ and the internal electrodes are brought alternately to opposite faces of the actor where they are connected together by an external ~~electrode,~~ electrode to form an actor green body; sintering the actor green ~~body~~ body; ~~being sintered and subject to an abrasive~~ abrasively shaping the sintered green body; ~~and then the~~ applying ground metallization for the external electrode; ~~electrode is applied, characterized in that the areas~~ applying an area of said actor to be insulated ~~are coated~~ by ~~a~~ thick-layer ~~methods with~~ method a paste ~~consisting of an~~ comprising an inorganic, low-sintering material or material mixture and an organic binder system, and ~~then are subjected~~ subjecting the body coated with said paste to a firing process wherein the layer thickness after sintering is between 1 and 40 µm, preferably between 2 and 20 µm or between 4 and 15 µm.

2 (currently amended): The method ~~Method~~ according to claim 1, ~~characterized in that~~ wherein the coating step is performed after ~~the~~ sintering and shaping and the coating is fired on at temperatures between 400 and 1200°C ~~1200°C, or 600 and 1000°C, with special preference between 650 and 850°C~~.

3 (currently amended): The method ~~Method~~ according to claim 1 ~~or 2, characterized in~~ wherein ~~that~~ the firing on of the insulating layer takes place together with the firing on of the external electrode and forms a continuous layer.

4 (currently amended): The method ~~Method~~ according to claim 1 ~~or 2, characterized in that~~ wherein the application of the insulating layer takes place after the

polarization of the actor and, by drying at 20 - 260°C ~~20 - 260°C, preferably at 80 - 120°C,~~ a covering of all electrodes of one polarity is formed, but no covering of the electrodes of the other polarity and thus a continuous coating is not formed.

5 (currently amended): The method ~~Method~~ according to ~~any one of claims 1 to 4, characterized in that~~ claim 1, wherein the low-sintering material is PZT or ~~and/or~~ is identical with the actor material.

6 (currently amended): The method ~~Method~~ according to ~~any one of claims 1 to 4, characterized in that~~ claim 1, wherein the thick layer paste comprises ~~consists of~~ a glass and an organic binder system.

7 (currently amended): The method ~~Method~~ according to ~~any one of claims 1 to 6, characterized in that~~ claim 1, wherein the thick layer paste is applied to the green actor body and is sintered together therewith.

8 (currently amended): The method ~~Method~~ according to ~~any one of the foregoing claims, characterized in that~~ claim 1, wherein the thick layer is applied by silk-screen printing.

9 (currently amended): The method ~~Method~~ according to ~~any of the foregoing claims, characterized in that~~ claim 1, wherein the thick layer is applied by rubber-stamping or rolling.

10 (currently amended): The method ~~Method~~ according to ~~any of the foregoing claims, characterized in that~~ claim 1, wherein the thick layer is applied by plasma spraying.

11 (currently amended): The actor ~~Actor~~ manufactured by ~~a~~ the method ~~according to claims 1 to 10~~ of claim 1.

12 (currently amended): A system comprising the actor ~~Actor~~ according to claim 11, ~~characterized in that the actor serves to control~~ operatively connected to an injection valve.